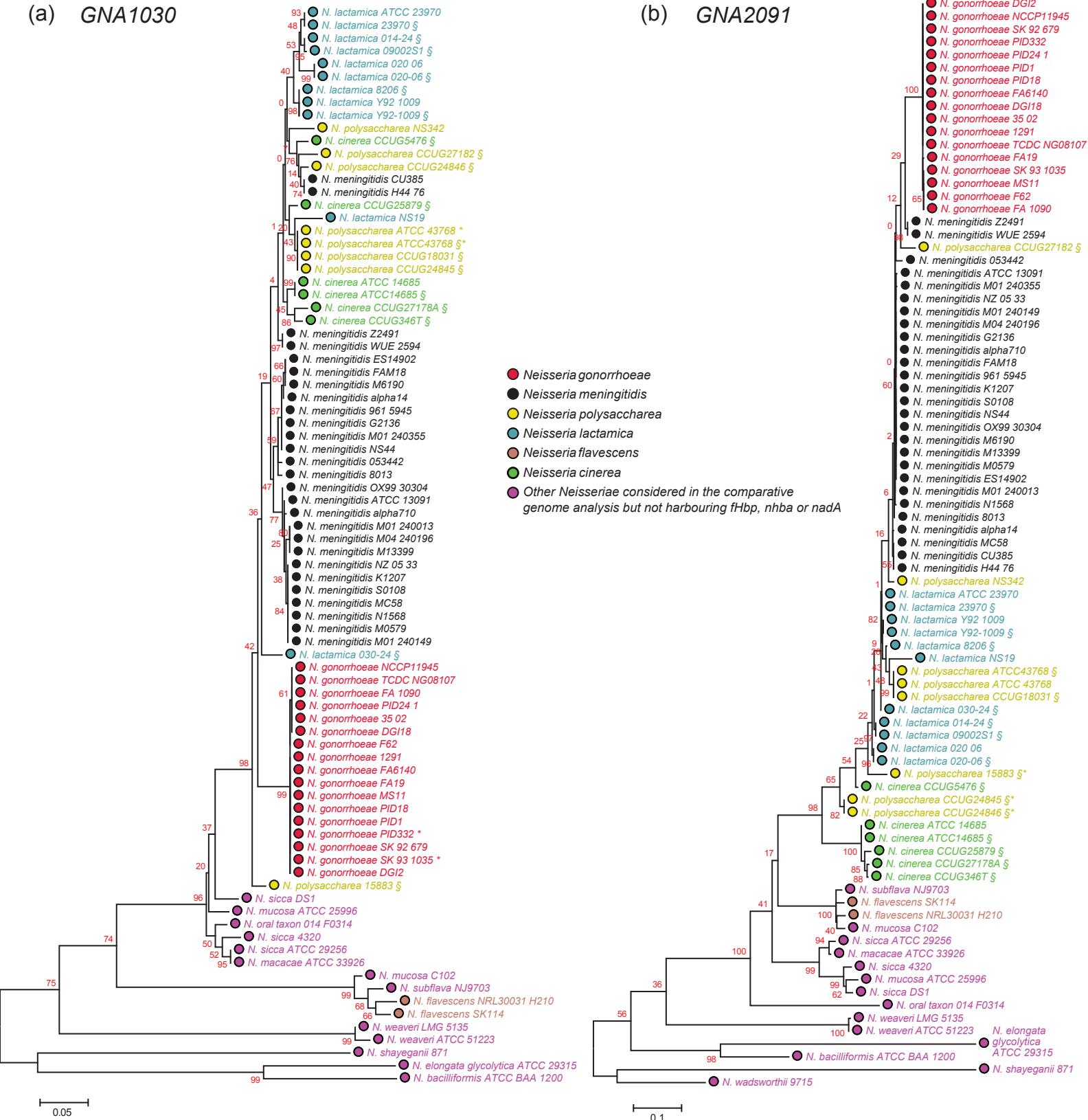


(a) GNA1030



**Figure S8.** Maximum Likelihood phylogenetic tree of the GNA1030 (a) and GNA2091 genes (b). Coloured labels indicate the different species of *Neisseria*. The (\$) symbol indicates sequences that were downloaded from the BigsDB database, otherwise from GenBank. Genes that were frameshifted or at the border of a contig are indicated by asterisk (\*).